



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

November 22, 2019

Lauren Seabrook  
Product Registration Manager  
BASF Corporation  
26 Davis Drive  
RTP, NC 27709

Subject: Label Amendment – Revised surface water advisory and directions for use  
Product Name: NAVICON INTRINSIC BRAND FUNGICIDE  
EPA Registration Number: 7969-403  
Application Date: 08/05/2019  
Decision Number: 554612

Dear Ms. Seabrook:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Maryam K. Muhammad by phone at 703-347-0301, or via email at [Muhammad.maryam@epa.gov](mailto:Muhammad.maryam@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Heather A. Garvie". The signature is written in a cursive, flowing style.

Heather A. Garvie, Acting Product  
Manager 21  
Fungicide Branch (7505P) Office of  
Pesticide Programs

Enclosure

Mefentrifluconazole	Group	3	Fungicide
Pyraclostrobin	Group	11	Fungicide

# Navicon®

**ACCEPTED**

11/22/2019

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 7969-403

## Intrinsic® Brand Fungicide

**For disease control and plant health in nonresidential turfgrass**

**Active Ingredients\*:**

mefentrifluconazole: 2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-1-(1H-1,2,4-triazole-1-yl)propan-2-ol. . . . . 17.56%  
pyraclostrobin: (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester). . . . . 17.56%

**Other Ingredients:** . . . . . 64.88%

**Total:** . . . . . 100.00%

\* Navicon® Intrinsic® brand fungicide contains 1.67 lbs mefentrifluconazole and 1.67 lbs pyraclostrobin per gallon.

EPA Reg. No. 7969-403

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN  
WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

See inside for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

**In case of an emergency endangering life or property involving this product,  
call day or night 1-800-832-HELP (4357).**

**Net Contents:**

FIRST AID	
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOTLINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).</p>	

## Precautionary Statements

### Hazards to Humans and Domestic Animals

**WARNING.** Causes skin irritation. **DO NOT** get on skin or on clothing. Harmful if swallowed. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### Personal Protective Equipment (PPE)

#### Applicators and other handlers must wear:

- Coveralls over short sleeved shirt and short pants
- Chemical-resistant gloves (barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, or viton  $\geq 14$  mils)
- Chemical-resistant footwear plus socks
- Chemical-resistant apron required when mixing/loading or cleaning equipment.

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

## USER SAFETY RECOMMENDATIONS

#### Users should:

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove clothing/PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

### Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

**DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

This product may impact surface water quality because of runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater.

### Groundwater Advisory

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product is classified as having high potential for reaching aquatic sediment via runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of this active ingredient or its degradates from runoff water and sediment. **A 10 foot buffer strip is required in Florida and New York.** Runoff of this product will be reduced by avoiding application when rainfall is forecast to occur within 48 hours.

Sound erosion control practices will reduce this product’s potential to reach aquatic sediment via runoff.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the user’s possession during application. Read the entire **Directions For Use** and **Conditions of Sale and Warranty** before using this product.

**DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

**Navicon® Intrinsic® brand fungicide** is not for sale, distribution, or use in **Nassau and Suffolk counties in New York State except under a Special Local Need (24c) label.**

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **12 hours.**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves (made of any waterproof material)
- Shoes plus socks

STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in original containers only. Keep container closed when not in use. **DO NOT** store near food or feed.

Pesticide Disposal

Wastes resulting from using this product may be disposed of on-site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

Container Handling

**Nonrefillable Container. DO NOT** reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Triple rinse containers too large to shake (capacity > 5 gallons) as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

**Pressure rinse as follows:** Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

(continued)

## STORAGE AND DISPOSAL *(continued)*

### Container Handling *(continued)*

**Refillable Container.** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

**Triple rinse as follows:** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

## In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

### Steps to take if material is released or spilled:

- In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.
- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

## Product Information

**Navicon® Intrinsic® brand fungicide** is a broad-spectrum suspension concentrate fungicide containing the active ingredients mefentrifluconazole and pyraclostrobin for use in non-residential turfgrass.

For optimum disease control, apply **Navicon® Intrinsic® brand fungicide** in a regularly scheduled protective spray program and use in a rotation program with **non-Group 3** and **non-Group 11** fungicides.

Preventive applications of **Navicon® Intrinsic® brand fungicide** optimize disease control, resulting in improved plant health.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>.

## Mode of Action

Each of the components in **Navicon® Intrinsic® brand fungicide** provides a different mode of action against plant pathogenic fungi.

Mefentrifluconazole inhibits the demethylation step of sterol biosynthesis (DMI), which disrupts cell membrane synthesis and is classified by the Fungicide Resistance Action Committee (FRAC) as a **Group 3** fungicide.

Pyraclostrobin belongs to the group of respiration inhibitors classified by the US EPA and Canada PMRA as quinone outside inhibitors (QoI) and classified by FRAC as **Group 11** fungicides.

## Resistance Management

For resistance management, please note that **Navicon® Intrinsic® brand fungicide** contains both a **Group 3** (mefentrifluconazole) and **Group 11** (pyraclostrobin) fungicide. Any fungal population may contain individuals naturally resistant to **Navicon® Intrinsic® brand fungicide** and other **Group 3** or **Group 11** fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same treatment area. Appropriate resistance-management strategies should be followed.

### To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of **Navicon® Intrinsic® brand fungicide** or other **Group 3** or **Group 11** fungicides within a seasonal sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease



thresholds, as well as cultural, biological and other chemical control practices.

- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treatment area for lack of biological efficacy that might indicate possible resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or **Integrated Pest Management (IPM)** recommendations for specific crops and pathogens.
- For further information or to report suspected resistance consult your local BASF representative, extension specialist, or certified crop advisor.

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## Use Sites

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### Turfgrass

- Golf courses
  - tees, greens, fairways, roughs
  - naturalized areas on golf courses
- Cemeteries
- Commercial and industrial sites
- Sod farms

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## Application Instructions

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- Begin **Navicon® Intrinsic® brand fungicide** applications preventively (before onset or in the early stages of disease) and continue throughout the season following specified intervals and resistance management guidelines.
- For optimal disease control, apply **Navicon® Intrinsic® brand fungicide** in a preventive disease management program.
- Use shorter specified interval and/or higher specified rate when conditions favor disease.
- Thorough and uniform coverage is required for optimal disease control.
- Application equipment must be cleaned thoroughly before and after applying this product, particularly if a product with the potential for injury was used before application of **Navicon® Intrinsic® brand fungicide**. **Nutra-Sol®** and **Neutralize™** tank cleaners can be used to remove residues before and after **Navicon® Intrinsic® brand fungicide** application. Flush system with clean water.
- Before large-scale use, apply the specified rate of **Navicon® Intrinsic® brand fungicide** on a small test area under expected growing conditions. Monitor for turfgrass injury for 14 days after application.

## Restrictions

- **DO NOT** use on residential turfgrass.
- **DO NOT** use on athletic fields.
- **DO NOT** apply more than two sequential applications of **Navicon® Intrinsic® brand fungicide** before alternating to a **non-Group 3** and **non-Group 11** fungicide, unless otherwise specified.
- **DO NOT** apply by aerial equipment.
- **DO NOT** apply through any type of irrigation equipment.
- **DO NOT** apply when treatment area is under stress from heat, cold, drought, or other conditions that could affect efficacy.

## Ground Application

- **Navicon® Intrinsic® brand fungicide** may be applied by ground sprayers including tractor groundboom, backpack/handboom, handwand, etc.
- Adjust spray volume and application equipment for uniform and thorough coverage.
- Apply **Navicon® Intrinsic® brand fungicide** in 1 to 4 gallons of water per 1000 sq ft (44 to 174 gallons per acre) unless higher spray volumes are specified for the disease.
- For maximum efficacy under heavy disease pressure or on higher cuts of turf, apply 2 to 4 gallons of water per 1000 sq ft.

## Spray Drift Management

**DO NOT** apply when conditions favor drift beyond the intended (target) application area. Drift-reduction measures include:

1. **DO NOT** apply if wind speed is 10 mph or more. Use caution when applying if nontarget crops are downwind and wind is present. **DO NOT** apply if winds are gusty.
2. Apply only when the potential for drift to adjacent sensitive areas (e.g. bodies of water or nontarget crops) is minimal and when wind is blowing away from sensitive areas.
3. Use caution when conditions are favorable for drift (drought, high temperatures, low relative humidity).
4. **DO NOT** apply during a temperature inversion. Consult local weather services before applying if conditions are favorable for inversion.

## Tank Mixing Other Products and Additives

**It is the pesticide user's responsibility to ensure that all products are registered for the intended use.**

**Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.**

**Navicon® Intrinsic® brand fungicide** can be tank mixed with other fungicides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives. Always follow the most restrictive label use directions.

### Tank Mixing Precautions

Physical incompatibility, reduced disease control, or injury may result from mixing **Navicon® Intrinsic® brand fungicide** with other products.

Mixing partners (products including stickers, extenders, wetting agents, spray adjuvants) are typically not necessary for use with **Navicon® Intrinsic® brand fungicide**; however, when such products are used, ensure they are labeled for use on turfgrass. When an adjuvant is used with this product, BASF recommends the use of a Chemical Producers and Distributors Association certified adjuvant. Consult a BASF representative or local turfgrass authority for more information on use of additives or adjuvants with this product.

The use of 100% formulated organosilicone products has been shown to be injurious; however, commercial blends may be safe under grower conditions. Test the product combination on a sample of the plants to be treated to ensure a phytotoxic response will not occur before large-scale use.

### Compatibility Test for Tank Mix Components

Before mixing components, always perform a compatibility jar test.

1. Add components in the order listed in **Mixing Order** instructions.
  - **For 100 gallons per acre spray volume:** Start with 16 cups (1 gallon) of water from the intended source at the source temperature.
  - **For other spray volumes:** Adjust rates accordingly.
  - **Dry product:** Add 2 teaspoons per pound of product per acre.
  - **Liquid product:** Add 1 teaspoon per pint of product per acre.
2. Always cap the jar and invert 10 cycles after component additions.
3. When the components have all been added to the jar, let the solution stand for 15 minutes.
4. **Evaluate** the solution for uniformity and stability. The spray solution should not have free oil on the surface, fine particles that precipitate to the bottom, or thick (clabbered) texture. **DO NOT** use any spray solution that could clog spray nozzles.

### Mixing Order

Make sure each component is thoroughly mixed and suspended before adding tank mix partners. Except when mixing products in PVA bags, maintain constant agitation during mixing and application.

1. **Water** - Fill a thoroughly clean sprayer tank 3/4 full of clean water and begin agitation.
2. **Inductor** - If an inductor is used, rinse it thoroughly after each component has been added.
3. **Products in PVA bags** - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4. **Water-dispersible products** (such as dry flowables, wettable powders, suspension concentrates including **Navicon® Intrinsic® brand fungicide**, or suspo-emulsions)
  - **Containers 5 gallons or less:** Shake well before adding to the tank.
  - **Containers more than 5 gallons:** Recirculate before adding to the tank.
  - Consult a BASF representative for additional information regarding agitation and recirculation.
5. **Water-soluble products**
6. **Emulsifiable concentrates** (such as oil concentrates when applicable)
7. **Water-soluble additives** [such as ammonium sulfate (AMS) or urea ammonium nitrate (UAN) when applicable]
8. **Remaining quantity of water**

Use Rate Conversion		
fl ozs product/A	lb mefentrifluconazole/A	lb pyraclostrobin/A
0.7	0.009	0.009
0.85	0.011	0.011
30.5	0.398	0.398
37	0.483	0.483



Disease Controlled	Rate (fl ozs product)		Application Interval (days)
	per 1000 sq ft	per acre	
<b>Apply Preventively when Conditions Favor Disease</b>  Anthracnose <i>Colletotrichum graminicola</i>  Brown patch <sup>1</sup> <i>Rhizoctonia solani</i> LP 2,2  Fusarium patch <sup>2</sup> <i>Microdochium nivale</i>  Gray leaf spot <i>Pyricularia grisea</i>  Leaf spot <i>Bipolaris</i> spp., <i>Drechslera</i> spp., <i>Exserohilum</i> spp.  Melting out <i>Drechslera poae</i>  Pink patch <i>Limonomyces roseipellis</i>  Powdery mildew <i>Blumeria graminis</i>  Rapid blight <sup>3</sup> <i>Labyrinthula terrestris</i>  Red thread <i>Laetisaria fuciformis</i>  Rhizoctonia leaf and sheath spot <sup>4</sup> <i>Rhizoctonia oryzae</i> , <i>R. zeae</i>  Root Rot of warm season turfgrasses (formerly known as Bermudagrass decline) <sup>5</sup> <i>Gaeumannomyces graminis</i> var. <i>graminis</i>  Rust <i>Puccinia</i> spp., <i>Uromyces</i> spp.	0.7 to 0.85	30.5 to 37	14 to 28
<sup>1</sup> Use the shorter interval when prolonged favorable disease conditions exist. <sup>2</sup> Apply in the absence of snow cover. <sup>3</sup> Sequential application recommended; if using low rate on 28-day interval include mancozeb-based fungicide. <sup>4</sup> Rhizoctonia infection can occur under warm, humid conditions on both cool-season and warm-season turfgrass. This disease has been associated with localized dry spots, and necrotic ring symptoms can form. Apply with soil wetting agent if needed. <sup>5</sup> Make up to 2 applications 14 to 28 days apart in fall and up to 2 applications 28 days apart in spring. Make no more than 3 applications per acre per year. Product rotations must follow applicable labels and should target the pathogen. Apply 0.25 inches irrigation following application.			

(continued)

# Turfgrass

(continued)

Disease Controlled		Rate (fl ozs product)		Application Interval (days)
		per 1000 sq ft	per acre	
Apply Preventively when Conditions Favor Disease <i>(continued)</i>	Take-all patch <sup>6</sup> <i>Gaeumannomyces graminis</i> var. <i>avenae</i>	0.7 to 0.85	30.5 to 37	14 to 28
	Yellow tuft (Downy mildew) <i>Sclerophthora macrospora</i>			
	Necrotic ringspot <sup>7</sup> <i>Ophiosphaerella korrae</i>	0.85	37	10 to 14
	Pythium blight <sup>8</sup> <i>Pythium</i> spp., <i>P. aphanidermatum</i>			
	<sup>6</sup> Make up to 2 applications 14 to 28 days apart in fall and up to 2 applications 28 days apart in spring. Make no more than 3 applications per acre per year. <sup>7</sup> Aids in control of necrotic ringspot. Apply in spring, fall, or winter when conditions favor disease. <sup>8</sup> When symptoms or severe disease pressure exist, tank mix <b>Navicon® Intrinsic® brand fungicide</b> with a <b>non-Group 11</b> fungicide labeled for Pythium blight control.			
Apply Preventively or at Earliest Sign of Disease	Brown ring patch (formerly known as Waitea patch) <sup>9</sup> <i>Rhizoctonia circinata</i> var. <i>circinata</i>	0.7	30.5	14
	Dollar spot <i>Clarireedia homoeocarpa</i> , <i>Clarireedia</i> spp. (formerly known as <i>Sclerotinia homoeocarpa</i> )	0.7 to 0.85	30.5 to 37	14 to 28
	Pythium root dysfunction <sup>10</sup> <i>Pythium</i> spp., <i>P. volutum</i>			
	Pythium root rot <sup>10</sup> <i>Pythium</i> spp.	0.85	37	28
	Fairy ring <sup>11</sup> Various <i>Basidiomycete fungi</i>			
<sup>9</sup> Use 2 to 4 gallons of spray volume per 1000 sq ft with soil wetting agent. Apply short irrigation cycle immediately after treatment to move fungicide through thatch. Brown ring patch symptoms may take 2 to 3 weeks to disappear after application. <sup>10</sup> Under severe disease pressure use shorter interval and rotate with a <b>non-Group 11</b> fungicide labeled for Pythium root rot control. If symptoms are already present apply a <b>non-Group 11</b> fungicide labeled for curative Pythium root rot control and rotate to a combination product containing the active ingredients fluxapyroxad and pyraclostrobin. <sup>11</sup> Apply 0.25-inch of irrigation following application; including a soil wetting agent prior to or at application can improve product movement downward and into contact with <i>Basidiomycete fungi</i> . A sequential application is recommended during healing of fair ring symptoms.				

(continued)

## Turfgrass

(continued)

Disease Controlled		Rate (fl ozs product)		Application Interval (days)
		per 1000 sq ft	per acre	
Apply Preventively in Fall	Large patch (Brown patch of warm-season turfgrass) <sup>12</sup> <i>Rhizoctonia solani</i> LP 2,2	0.7 to 0.85	30.5 to 37	14 to 28
	Gray snow mold <sup>13</sup> <i>Typhula incarnata</i> , <i>T. ishikariensis</i>	0.85	37	
	Pink snow mold <sup>13</sup> <i>Microdochium nivale</i>			
	Spring dead spot <sup>14</sup> <i>Ophiosphaerella</i> spp., <i>O. herpotricha</i> , <i>O. korrae</i>			28
	<sup>12</sup> Apply in fall before or at earliest sign of disease. Make a sequential application with <b>Navicon® Intrinsic® brand fungicide</b> or a product containing the active ingredient fluxapyroxad before turf dormancy. Reapply in spring at greenup if necessary. <sup>13</sup> Make 2 applications 14 to 28 days apart in late fall just before snow cover. For optimum control before extended periods of snow cover, tank mix 1 or 2 applications with a <b>non-Group 3</b> or <b>non-Group 11</b> fungicide labeled for this disease. <sup>14</sup> Make 2 applications in fall (targeting 70°F soil temperature) or one application followed by a combination product containing the active ingredients fluxapyroxad and pyraclostrobin.			
Apply Preventively in Spring	Summer patch <sup>15</sup> <i>Magnaporthiopsis poae</i>	0.7 to 0.85	30.5 to 37	14 to 28
	<sup>15</sup> Begin application in spring when soil temperatures reach 60°F to 65°F at 2-inch soil depth, or by local recommendation.			
<b>Restrictions</b> <ul style="list-style-type: none"><li>• <b>DO NOT</b> apply more than 37 fl ozs (0.48 lb mefentrifluconazole, 0.48 lb pyraclostrobin) per application per acre (0.85 fl oz per 1000 sq ft).</li><li>• <b>DO NOT</b> make more than 3 applications per acre per year.</li><li>• <b>DO NOT</b> apply more than 111 fl ozs (1.45 lbs mefentrifluconazole, 1.45 lbs pyraclostrobin) per acre per year (2.55 fl ozs per 1000 sq ft).</li><li>• <b>DO NOT</b> apply more than a cumulative total of 1.45 lbs ai/acre/year of mefentrifluconazole-containing products.</li><li>• <b>DO NOT</b> apply more than a cumulative total of 3.0 lbs ai/acre/year of pyraclostrobin-containing products.</li></ul>				

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The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Plant injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

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